

Inventor  
Search

5/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013789468 \*\*Image available\*\*  
WPI Acc No: 2001-273679/200128  
XRAM Acc No: C01-083043  
XRPX Acc No: N01-195486

Entertaining, stress-relief disc has center with stable convex - concave  
shape flipped by manipulation to concave - convex shape

Patent Assignee: LYMAN D F (LYMA-I)

Inventor: LYMAN D F

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200126766	A1	20010419	WO 2000US28184	A	20001012	200128 B
AU 200110811	A	20010423	AU 200110811	A	20001012	200147
US 20010018310	A1	20010830	US 99417428	A	19991013	200151

Priority Applications (No Type Date): US 99417428 A 19991013

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200126766	A1	E	15 A63H-027/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200110811 A A63H-027/00 Based on patent WO 200126766  
US 20010018310 A1 A63H-005/00

Abstract (Basic): WO 200126766 A1

NOVELTY - The center portion has a stable concave/convex shape  
which can be inverted (or flipped) by manipulation, to a second  
convex/concave shape.

DETAILED DESCRIPTION - Preferred features: The disc-shaped device  
has a diameter d of 0.75-6 inches. The periphery includes a lip (1)  
with width w, where the ratio w/d is less than 1/4, and preferably in  
the range 1/30 to 1/5. Cross sectional thickness t is substantially  
uniform over the center portion. The ratio of t to d is less than 1/10,  
and preferably lies in the range 1/80-1/20. Thickness of the center  
portion tapers, thickness t<sub>1</sub> near the periphery is greater than  
thickness t<sub>c</sub> near the center. A domed peak is formed in the center  
portion with peak height h<sub>p</sub> relative to a plane containing the  
peripheral portion. The ratio of h<sub>p</sub> to d is no greater than about 1/3.  
Surface(s) are textured by ridges and/or dimples. At least one surface  
comprises an illustration. A scent is included, which is emitted on  
manipulation. A color-change composition included, responds to  
temperature change or other environmental conditions.

USE - For entertainment and stress relief.

ADVANTAGE - In addition to its inherent entertainment and stress  
relief properties, the device can be manufactured for color change  
and/or to produce sound on manipulation. Different stiffness, size,  
texture, color, surface images and scent can be incorporated, enabling  
selection based on personal preference.

DESCRIPTION OF DRAWING(S) - A cross section of the disc is  
presented.

lip (1)

upper surface (3)

lower surface (4)  
single peak (5)  
pp; 15 DwgNo 3/4  
Title Terms: ENTERTAINMENT; STRESS; RELIEF; DISC; STABILISED; CONVEX;  
CONCAVE; SHAPE; FLIP; MANIPULATE; CONCAVE; CONVEX; SHAPE  
Derwent Class: A86; P36  
International Patent Class (Main): A63H-005/00; A63H-027/00  
File Segment: CPI; EngPI

5/5/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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**ENTERTAINMENT AND STRESS RELIEF DISK**  
**DISQUE DESTINE A LA DETENTE ET AU DIVERTISSEMENT**  
PATENT ASSIGNEE:

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(US), (Applicant designated States: all)

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PATENT (CC, No, Kind, Date):

WO 2001026766 010419  
APPLICATION (CC, No, Date): EP 2000972098 001012; WO 2000US28184 001012  
PRIORITY (CC, No, Date): US 417428 991013  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: A63H-027/00  
CITED PATENTS (WO A): US 3247521 A ; US 1215311 A ; US 2153957 A ; US  
5334079 A

LEGAL STATUS (Type, Pub Date, Kind, Text):

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Application: 010613 A1 International application entering European  
phase  
Application: 021127 A1 International application. (Art. 158(1))  
Appl Changed: 021127 A1 International application not entering European  
phase  
Withdrawal: 021127 A1 Date application deemed withdrawn: 20020514  
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Set	Items	Description
S1	4	E3,E7
S2	4	AU='LYMAN DANIEL':AU='LYMAN DANIEL F'
S3	8	S1:S2
S4	8	IDPAT (sorted in duplicate/non-duplicate order)
S5	5	IDPAT (primary/non-duplicate records only)

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File 347:JAPIO Oct 1976-2002/Dec(Updated 030402)

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File 348:EUROPEAN PATENTS 1978-2003/Apr W01

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File 349:PCT FULLTEXT 1979-2002/UB=20030417,UT=20030410

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200325

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File 371:French Patents 1961-2002/BOPI 200209

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